Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/04/2020 09:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125075	0	3.24	125063	3.24
Blue	F	SSC	125000	125549	0	1.92	126204	1.88
Blue	E	FITC	15892	15425	-3	2.89	334	20.92
Blue	D	PE	29999	29353	-3	1.97	637	15.5
Blue	B	PerCP-Cy5-5	43732	43183	-2	3.75	1160	20.6
Blue	A	PE-Cy7	30845	30447	-2	6.15	583	41.65
Red	C	APC	46112	45409	-2	2.46	1605	12.06
Red	A	APC-Cy7	30458	29856	-2	2.37	788	12.17
Violet	B	V450	7918	7578	-5	4.68	436	13.1
Violet	A	V500	32171	30940	-4	4.36	728	10.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16999	16.38	635	14	N/A	N/A	Pass
Blue	F	SSC	57752	1.31	574	15	N/A	N/A	Pass
Blue	E	FITC	61	64.02	550	7	0.0177	72	Pass
Blue	D	PE	133	50.96	556	8	0.1375	226	Pass
Blue	B	PerCP-Cy5-5	214	49.1	662	6	0.0087	17	Pass
Blue	A	PE-Cy7	109	103.22	704	6	0.0105	18	Pass
Red	C	APC	383	25.01	586	2	0.0247	140	Pass
Red	A	APC-Cy7	175	27.86	557	1	0.0052	418	Pass
Violet	B	V450	65	57.19	462	4	0.0466	1632	Pass
Violet	A	V500	108	32.23	478	4	0.0260	748	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.48	-32.70	0.94
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.39
Red	17.36	13.60 - 20.40	N/A	N/A	29.65	30.49	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 10143

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments